

10/525,821

Ligand A  
(S) TOLB INAP  
7/24/2007 EXPANDED

=> d his nofile

(FILE 'HOME' ENTERED AT 08:47:22 ON 17 JUL 2007)

FILE 'HCAPLUS' ENTERED AT 08:47:33 ON 17 JUL 2007  
D SAV

FILE 'REGISTRY' ENTERED AT 08:48:09 ON 17 JUL 2007  
ACT CUT821REGA/A

L1 STR  
L2 1473 SEA SSS FUL L1

-----  
D QUE STAT  
L3 358 SEA ABB=ON PLU=ON L2 AND 1-20/X  
L4 99 SEA ABB=ON PLU=ON L2 AND 1-4/M

FILE 'LREGISTRY' ENTERED AT 08:49:53 ON 17 JUL 2007  
L5 STR L1

FILE 'REGISTRY' ENTERED AT 09:04:30 ON 17 JUL 2007  
L6 50 SEA SUB=L2 SSS SAM L5  
L7 1206 SEA SUB=L2 SSS FUL L5  
DIS  
SAV L7 CUT821REGB/A  
L8 238 SEA ABB=ON PLU=ON L7 AND 1-8/N

FILE 'LREGISTRY' ENTERED AT 09:09:10 ON 17 JUL 2007  
L9 STR L5

FILE 'REGISTRY' ENTERED AT 09:19:22 ON 17 JUL 2007  
L10 4 SEA SUB=L2 SSS SAM L9  
D SCAN  
L11 58 SEA SUB=L2 SSS FUL L9  
SAV L11 CUT821REGC/A

FILE 'HCAPLUS' ENTERED AT 09:21:06 ON 17 JUL 2007  
L12 15 SEA ABB=ON PLU=ON L11

FILE 'REGISTRY' ENTERED AT 09:22:04 ON 17 JUL 2007  
D QUE STAT L7

FILE 'REGISTRY' ENTERED AT 09:22:59 ON 17 JUL 2007

FILE 'LREGISTRY' ENTERED AT 09:23:11 ON 17 JUL 2007  
L13 STR L5

FILE 'REGISTRY' ENTERED AT 09:24:10 ON 17 JUL 2007  
D QUE STAT L13  
L14 40 SEA SUB=L2 SSS SAM L13  
L15 676 SEA SUB=L2 SSS FUL L13  
SAV L15 CUT821REGD/A  
L16 201 SEA ABB=ON PLU=ON L15 AND 1-20/X  
L17 11 SEA ABB=ON PLU=ON L16 AND 1-4/M  
D SCAN  
L18 475 SEA ABB=ON PLU=ON L15 NOT L16  
L19 1 SEA ABB=ON PLU=ON L18 AND 1-4/M  
D SCAN  
L20 99 SEA ABB=ON PLU=ON L2 AND 1-4/M  
L21 8 SEA ABB=ON PLU=ON L20 AND 1-4/RH  
D SCAN

FILE 'HCAPLUS' ENTERED AT 09:31:05 ON 17 JUL 2007  
L22 8 SEA ABB=ON PLU=ON L17  
L23 2 SEA ABB=ON PLU=ON L21

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L24 53 SEA ABB=ON PLU=ON L20  
D SAV  
L25 68 SEA ABB=ON PLU=ON L12 OR L22 OR L24  
L26 QUE ABB=ON PLU=ON PY<2003 OR PRY<2003 OR AY<2003 OR  
MY<2003 OR REVIEW/DT  
L27 46 SEA ABB=ON PLU=ON L25 AND L26  
L28 35 SEA ABB=ON PLU=ON L24 AND L26  
L29 46 SEA ABB=ON PLU=ON L27 OR L28  
E US20050261514/PN  
L30 1 SEA ABB=ON PLU=ON US20050261514/PN  
D ALL  
DEL, SEL  
SEL L30 RN

FILE 'REGISTRY' ENTERED AT 09:40:51 ON 17 JUL 2007

L31 15 SEA ABB=ON PLU=ON (100165-88-6/BI OR 114133-37-8/BI  
OR 116539-55-0/BI OR 12092-47-6/BI OR 142293-39-8/BI  
OR 27152-62-1/BI OR 667465-15-8/BI OR 670218-73-2/BI  
OR 670218-74-3/BI OR 7439-88-5/BI OR 7440-05-3/BI OR  
7440-16-6/BI OR 7440-18-8/BI OR 76189-56-5/BI OR  
98327-87-8/BI)  
L32 4 SEA ABB=ON PLU=ON L31 AND 1/M  
D SCAN  
L33 0 SEA ABB=ON PLU=ON L20 AND (PT OR PD OR IR OR RU OR  
RH)  
L34 32 SEA ABB=ON PLU=ON L20 AND (1-4/PT OR 1-4/PD OR  
1-4/IR OR 1-4/RU OR 1-4/RH)

FILE 'HCAPLUS' ENTERED AT 09:44:51 ON 17 JUL 2007

L35 12 SEA ABB=ON PLU=ON L34  
L36 151780 SEA ABB=ON PLU=ON L32  
L37 5 SEA ABB=ON PLU=ON L36 AND L29  
D SCAN  
L38 8 SEA ABB=ON PLU=ON L35 AND L29  
L39 13 SEA ABB=ON PLU=ON L37 OR L38  
E LIGAND/CT  
E LIGANDS/CT  
L40 254730 SEA ABB=ON PLU=ON LIGANDS+PFT,OLD,NT/CT  
L41 3 SEA ABB=ON PLU=ON L29 AND L40  
L42 14 SEA ABB=ON PLU=ON L41 OR L39  
DEL SEL  
SEL L30 AU  
L43 23 SEA ABB=ON PLU=ON ("FABIAN, KAI"/AU OR "KRALIK,  
JOACHIM"/AU OR "MUERMANN, CHRISTOPH"/AU OR "SCHWEICKERT  
, NORBERT"/AU)  
L44 46 SEA ABB=ON PLU=ON L29 NOT L43  
D SCAN L44  
L45 46 SEA ABB=ON PLU=ON L44 OR L42  
L46 32 SEA ABB=ON PLU=ON L44 NOT L42  
D SAV  
SAV L45 CUT821HCP2/A  
D QUE STAT L42  
D QUE STAT L45  
D SAV  
D L42 1-14 IBIB ED ABS HITSTR HITIND  
D L46 1-32 IBIB ED ABS HITSTR HITIND

10/525821

FUL SEARCH HISTORY

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(FILE 'HOME' ENTERED AT 11:29:42 ON 20 JUL 2007)

FILE 'HCAPLUS' ENTERED AT 11:29:49 ON 20 JUL 2007

E US20050261514/PN

L1 1 SEA ABB=ON PLU=ON US20050261514/PN  
D ALL  
SEL RN

FILE 'REGISTRY' ENTERED AT 11:30:38 ON 20 JUL 2007

L2 15 SEA ABB=ON PLU=ON (100165-88-6/BI OR 114133-37-8/BI  
OR 116539-55-0/BI OR 12092-47-6/BI OR 142293-39-8/BI  
OR 27152-62-1/BI OR 667465-15-8/BI OR 670218-73-2/BI  
OR 670218-74-3/BI OR 7439-88-5/BI OR 7440-05-3/BI OR  
7440-16-6/BI OR 7440-18-8/BI OR 76189-56-5/BI OR  
98327-87-8/BI)

D SCAN

E FERROCENE/CN

L3 1 SEA ABB=ON PLU=ON FERROCENE/CN  
D SCAN  
D RN

FILE 'LREGISTRY' ENTERED AT 11:36:45 ON 20 JUL 2007

L4 STR 102-54-5  
L5 STR L4  
L6 STR L5  
L7 STR L5

FILE 'REGISTRY' ENTERED AT 13:21:23 ON 20 JUL 2007

L8 1 SEA SSS SAM L7  
D SCAN  
L9 45 SEA SSS FUL L7  
SAV L9 CUT821REG3/A  
L10 2 SEA ABB=ON PLU=ON L2 AND 1-4/RH  
D SCAN

FILE 'HCAPLUS' ENTERED AT 13:24:30 ON 20 JUL 2007

D SCAN L1

FILE 'REGISTRY' ENTERED AT 13:24:30 ON 20 JUL 2007

D 1-2 RN

L11 1 SEA ABB=ON PLU=ON 12092-47-6/RN  
D IDE  
L12 1 SEA ABB=ON PLU=ON 7440-16-6/RN  
D SCAN  
L13 0 SEA ABB=ON PLU=ON L9 AND CAOLD/LC  
L14 25 SEA ABB=ON PLU=ON L9 AND CASREACT/LC

FILE 'HCAPLUS' ENTERED AT 13:27:57 ON 20 JUL 2007

L15 108 SEA ABB=ON PLU=ON L9  
D SCAN L1  
L16 2742 SEA ABB=ON PLU=ON L11  
L17 15 SEA ABB=ON PLU=ON L15 AND L16  
D SCAN

FILE 'STNGUIDE' ENTERED AT 13:30:41 ON 20 JUL 2007

FILE 'HCAPLUS' ENTERED AT 13:31:21 ON 20 JUL 2007

E LIGANDS/CT

L18 254908 SEA ABB=ON PLU=ON LIGANDS+PFT,OLD,NT/CT  
L19 2736 SEA ABB=ON PLU=ON L18 (L) CAT/RL  
L20 15 SEA ABB=ON PLU=ON L19 AND L15  
L21 28 SEA ABB=ON PLU=ON L17 OR L20

FILE 'CAOLD' ENTERED AT 13:35:52 ON 20 JUL 2007

L22 0 SEA ABB=ON PLU=ON L9  
L23 6 SEA ABB=ON PLU=ON L11  
D 1-6

FILE 'CASREACT' ENTERED AT 13:37:39 ON 20 JUL 2007

L24 45 SEA ABB=ON PLU=ON L14  
L25 583 SEA ABB=ON PLU=ON 12092-47-6/RCT  
L26 575 SEA ABB=ON PLU=ON 12092-47-6/CAT  
L27 1140 SEA ABB=ON PLU=ON L25 OR L26  
L28 18 SEA ABB=ON PLU=ON L25 AND L26  
L29 STR L7  
L30 1 SEA SSS SAM L7 ( 1 REACTIONS)  
D SCAN  
L31 15 SEA SSS FUL L7 ( 45 REACTIONS)  
D SAV  
L32 1 SEA ABB=ON PLU=ON (L27 OR L28) AND L31  
D SCAN  
SAV L31 CUT821CRCT/A  
SAV L32 CUT821CRCTA/A

FILE 'HCAPLUS' ENTERED AT 13:51:45 ON 20 JUL 2007

FILE 'CASREACT' ENTERED AT 13:52:03 ON 20 JUL 2007

L33 15 SEA ABB=ON PLU=ON L31 OR L32

FILE 'HCAPLUS' ENTERED AT 13:52:21 ON 20 JUL 2007

L34 18858 SEA ABB=ON PLU=ON L12/D OR L12/DP OR L12/CAT  
L35 4 SEA ABB=ON PLU=ON L15 AND L34  
L36 29 SEA ABB=ON PLU=ON L21 OR L35  
L37 QUE ABB=ON PLU=ON PY<2003 OR PRY<2003 OR AY<2003 OR  
MY<2003 OR REVIEW/DT  
L38 108 SEA ABB=ON PLU=ON L36 OR L15  
L39 66 SEA ABB=ON PLU=ON L38 AND L37  
L40 14 SEA ABB=ON PLU=ON L39 AND L36  
DEL SEL  
SEL L1 AU  
L41 52 SEA ABB=ON PLU=ON L39 NOT L40  
D QUE STAT L40

FILE 'CASREACT' ENTERED AT 14:03:09 ON 20 JUL 2007

L42 10 SEA ABB=ON PLU=ON L33 AND L37  
SAV L42 CUT821CRCTB/A

FILE 'STNGUIDE' ENTERED AT 14:04:11 ON 20 JUL 2007

D QUE STAT L40  
D QUE STAT L42

FILE 'HCAPLUS, CASREACT' ENTERED AT 14:05:31 ON 20 JUL 2007

L43 23 DUP REM L40 L42 (1 DUPLICATE REMOVED)  
ANSWERS '1-14' FROM FILE HCAPLUS  
ANSWERS '15-23' FROM FILE CASREACT  
D L43 1-14 IBIB ED ABS HITSTR HITIND

FILE 'CASREACT' ENTERED AT 14:08:46 ON 20 JUL 2007

FILE 'HCAPLUS, CASREACT' ENTERED AT 14:11:46 ON 20 JUL 2007  
D L43 15-23 IBIB AB FHIT IND

FILE 'STNGUIDE' ENTERED AT 14:14:45 ON 20 JUL 2007

D QUE STAT L41  
D QUE STAT L42

FILE 'HCAPLUS, CASREACT' ENTERED AT 14:15:49 ON 20 JUL 2007

L44 53 DUP REM L41 L42 (9 DUPLICATES REMOVED)  
ANSWERS '1-52' FROM FILE HCAPLUS

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L45

ANSWER '53' FROM FILE CASREACT  
53 SEA ABB=ON PLU=ON L44 NOT L43  
D L44 1-52 IBIB ED HITSTR HITIND  
D L44 53 IBIB AB FHIT IND

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	3	"6583312"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/24 10:56
L2	3	"6020527"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/24 10:59
L3	5	"5744606"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/24 11:02
L4	3	"5514805"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/24 11:06
L5	5	"4924029"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/24 11:09
S1	2	("6812353").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/17 15:05
S2	2	("6984738").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/16 10:00

## EAST Search History

S3	0	("10521799.ap.").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/16 10:10
S4	0	"10521799".ap.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/16 10:10
S5	0	"10521799"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/16 10:10
S6	0	("10521799").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/16 10:10
S7	2	("6841685").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/16 10:43
S8	2	("6281387").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/16 11:14
S9	2	("4487967").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/16 11:16

## EAST Search History

S10	2	("6743921").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/16 12:51
S11	2	("6686505").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/16 12:51
S12	2	("6184413").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/17 13:53
S13	2	("5736480").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/17 13:54
S14	2	("6670509").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/17 15:12
S15	0	("10.src.and513790.ap.").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/17 15:14
S16	2	("7169938").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/17 15:25



## EAST Search History

S17	2	("6720439").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/17 15:43
S18	2	("6281387").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/17 15:46
S19	2	("4962212").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/17 15:55
S20	2	("4487967").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/17 16:00
S21	0	("aminoalcohols").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/17 16:00
S22	1570836	amino alcohols	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/17 16:01
S23	823633	amino kenotes	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/17 16:01

## EAST Search History

S24	193571	diphosphine ligand	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/17 16:02
S25	12027	S24 and rhodium	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/17 16:03
S26	752675	S22 and preparation	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/17 16:03
S27	8183	S26 and S25	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/17 16:04
S28	5853	S27 and S23	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/17 16:05
S29	2143	S28 and hydrogenation	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/17 16:06
S30	52068	S23 and hydrogenation	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/17 16:06

## EAST Search History

S31	2356	S30 and S25	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/17 16:39
S32	61502	"560"/\$\$\$.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/17 16:40
S33	62761	"564"/\$\$\$.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/17 16:40
S34	260	S31 and S32	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/17 16:43
S35	823631	S22 and S23	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/17 16:43
S36	457604	S35 and preparation	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/17 16:44
S37	5853	S36 and S25	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/17 16:44

## EAST Search History

S38	2143	S37 and hydrogenation	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/17 16:44
S39	237	S38 and S32	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/17 16:58
S40	249	S38 and S33	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/17 16:58
S41	191	S40 not S39	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/17 16:59
S42	7	"6521769"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/24 10:23